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ENG

Translation of the original user guide

USER GUIDE

Selion M12

*Carving guide sold separately (ref. 80343)

READ THE USER GUIDE CAREFULLY BEFORE USING THE TOOL

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INTRODUCTION

Dear Customer,

Thank you for purchasing the SELION M12 chainsaw. Correctly used and maintained, this tool will give satisfactory performance for years to come.

With more than 20 years of experience in portable electric equipment, Pellenc proposes a large range of Lithium-Ion and Lithium-Polymer powered tools intended for professional use and designed for maintenance work in green spaces, orchards and vineyards, and cleaning equipment for public roads.

Pellenc sets the stage for a new generation of tools combining the advantages of cordless electricity with the power of Lithium-Ion and Lithium-Polymer, designed for intensive, high quality work.

Increasingly quiet and compact, environmentally friendly, economically very profitable and complying with ever more strict specifications regarding ergonomics, power and autonomy, Pellenc tools prove their worth every day, whether in vineyards, orchards or for the maintenance of green spaces and public sectors. Pellenc tools are the world leader in this field.
Because of the lightweight nature and easy handling of PELLENC tools, users can work better, with less effort, without noise and faster than with heat-engine powered tools.

A single unique energy source powers PELLENC tools intended for professional use: The Ultra Lithium Battery. This revolutionary battery is available in several models, with extended work capabilities. Once purchased, this battery is compatible with most of the Pellenc Green and City Technology range of products.

«Innovation, ability to listen, quality and environmental friendliness are PELLENC priorities.»

OUR high capacity Ultra Lithium-Ion BATTERIES

PELLENC is the first and only manufacturer worldwide to propose a whole range of professional tools for Parks and Gardens, Local Authorities, Golf Courses, Orchards, Vineyards etc. operated using **ultra-high capacity ternary Lithium-Ion batteries**.

PELLENC has developed its own Lithium-based technology for **the best results in terms of output power, autonomy, weight and ergonomics**. The result is enlightening as the Pellenc Lithium-Ion technology is nearly twice more efficient than the Manganese Lithium-Ion technology. Manganese Lithium-Ion contains **125 W/kg, while Pellenc** Lithium-Ion contains **250 W/kg**.

Furthermore, our ultra-high capacity batteries have an ranging from 800 to 1,500 cycles (one cycle corresponds with a full charge and discharge). Even after hundreds of days of use, the battery still reaches over 80% of its initial capacity.
Equipped with a **patented intelligent system**, Pellenc batteries can be charged at any time without memory effect and without altering their lithium-ion components. They automatically discharge after several days of non-use in order to be stored risk free for several months.

The ultra-high capacity of Ultra Lithium Batteries guarantees **pollution free, odourless and quiet operation with a record level of autonomy.**

For example, a PELLENC ULB 1100 battery is equivalent to over
4700 liters of gasoline and 90 liters of mixture!

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Characteristics of the ULTRA LITHIUM BATTERY

- **Secure system (patented)** guarantees the preservation of your battery in the event of overloading, discharging or over-heating
- **Life system (patented):** ensures an optimum service life for your battery by protecting each of the components individually
- **Balance system (patented):** guarantees the balancing of the various battery components in order to optimise balanced operation
- **Power system (patented):** enables use of the entire range of PELLENC tools within the scope of a professional activity thanks to the restitution of the battery's maximum capacity

Advantages of the ULTRA LITHIUM BATTERY

- **Environmentally friendly** the energy used by PELLENC tools is environmentally friendly and participates in an initiative towards sustainable development. Compared to equivalent heat engine powered tools, CO2 emissions are 30 to 90 times lower.
- **Power:** PELLENC equipment ensures the user has an unequalled power supply of up to 3,000 W.
- **Savings:** the battery permits up to a full day of work at a derisory total cost.
- **Ergonomics:** PELLENC tools are very quiet and light, offering unrivalled comfort and optimal working conditions.
- **Cost-effectiveness:** the cost of your battery will be recovered in under a year of use (from 135 days). The return on investment in the battery over its service life is greater than 5,000 € thanks to the savings on fuel which is not required*.

Compatibility of our batteries with our machines:

All PELLENC multi-function Ultra Lithium Batteries can be used on all of our machines. However, we recommend the use of batteries according to the tool, in order to achieve an increased optimization of autonomy, power and weight.

* You use 5L of mixture per day at a price of €1.50 per litre.
Data calculated for the regular use of the ULiB 1100 battery.

RECOMMENDED USE OF BATTERIES AND TOOLS ACCORDING TO THEIR POWER AND AUTONOMY*

	SPECIFIC BATTERY	MULTIFUNCTION BATTERIES					
	200	400	700	1100	POLY 5	OLIVION
Weight in kg (no harness nor belt)	1.9	3.4	5.5	5.9	3.4	5.5
LIXION Evolution - vineyard pruning shears	1 to 3 days					
LIXION Evolution adaptable - vineyard pruning shears		2 / 6 days	5 days	10 days	3 / 7 days	5 days
TREELION autonomous orchard pruning shears	1 to 2 days					
TREELION adaptable orchard pruning shears		3 days	4 / 5 days	7 days	3.5 days	4 / 5 days
HELION – hedge trimmer		1/2 day	Up to 1 day	Up to 2 days	1/2 day	Up to 1 day
OLIVION – olive harvester		2 to 4 hours	Up to 1 day	Up to 2 days	3 to 5 hours	Up to 1 day
CULTIVION – hoeing machine		2 to 4 hours	Up to 1 day	Up to 2 days	3 to 5 hours	Up to 1 day
SELION Pole - chainsaw		1 to 3 hours	Up to 1 day	Up to 2 days	2 to 5 hours	Up to 1 day
SELION M12 - chainsaw		1 to 3 hours	Up to 1 day	Up to 2 days	2 to 5 hours	Up to 1 day
SELION C20 - chainsaw		1 to 3 hours	3 to 5 hours	Up to 1.5 days	2 to 5 hours	
EXCELION 1200 – grass-cutting brush cutter		1 hour	2 to 3.5 hours	3 to 5 hours	1 to 2 hours	
EXCELION 2000 – brush cutter**			2 to 3 hours	3 to 4,5 hours	1 to 2 hours	
AIRION - blower		1 hour	2 to 3.5 hours	3 to 5 hours	1 to 2 hours	

* Battery life depends on the tool, the use and the vegetation being worked on.
** Autonomy is calculated using the Eco mode

Recommended use

INTRODUCTION

OUR high output MOTORS

As well as Lithium-Ion technology, PELLENC masters the use of another: revolutionary PELLENC **electronic commutation motors**.

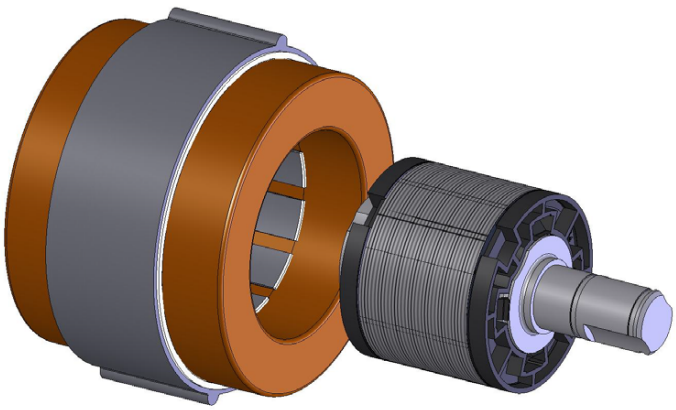
With these revolutionary motors, PELLENC has effectively rendered **the heat engine obsolete**. PELLENC intends to impose its idea of the tool for tomorrow: **powerful, light and pollution-free tools**.

Furthermore, the PELLENC technology motor is the only electric motor with as much **power output with the added advantage of being small, giving it an ideal weight**. The output of this motor is significantly higher than that of traditional direct-current motors with brushes. Friction caused by the brushes disappears, **the output of PELLENC motors is nearly 90 %**.

PELLENC motors are **Brushless motors**. This means that their service life is theoretically infinite, with only the service life of the ball bearings limiting the motor's service life. There is no **need for motor maintenance, as opposed to heat engines**.

PELLENC Brushless motors stop completely each time the trigger is pressed, on the contrary to heat engines. Therefore, sound emissions are very low to the benefit of the user and his immediate surroundings!

Finally, PELLENC Brushless motors often drive the cutting element directly (**no clutch or reduction gearbox, meaning less noise and wear**). Motor control is electronic, as is the power supply, meaning that noises linked to mechanical part movements are extremely limited.



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By using PELLENC battery and motor technology, you benefit from several advantages:

- energy savings
- ease and comfort of use
- free from motor maintenance
- power equivalent to and often higher than combustion engines
- extremely profitable tools
- lightweight
- no noise pollution or odors
- **virtually inexistent carbon emissions**
- Immediate start-up, no need for a starter.

PELLENC OFFERS TECHNOLOGY WHICH MAKES THE HEAT ENGINE OBSOLETE

OUR RANGE OF PRODUCTS

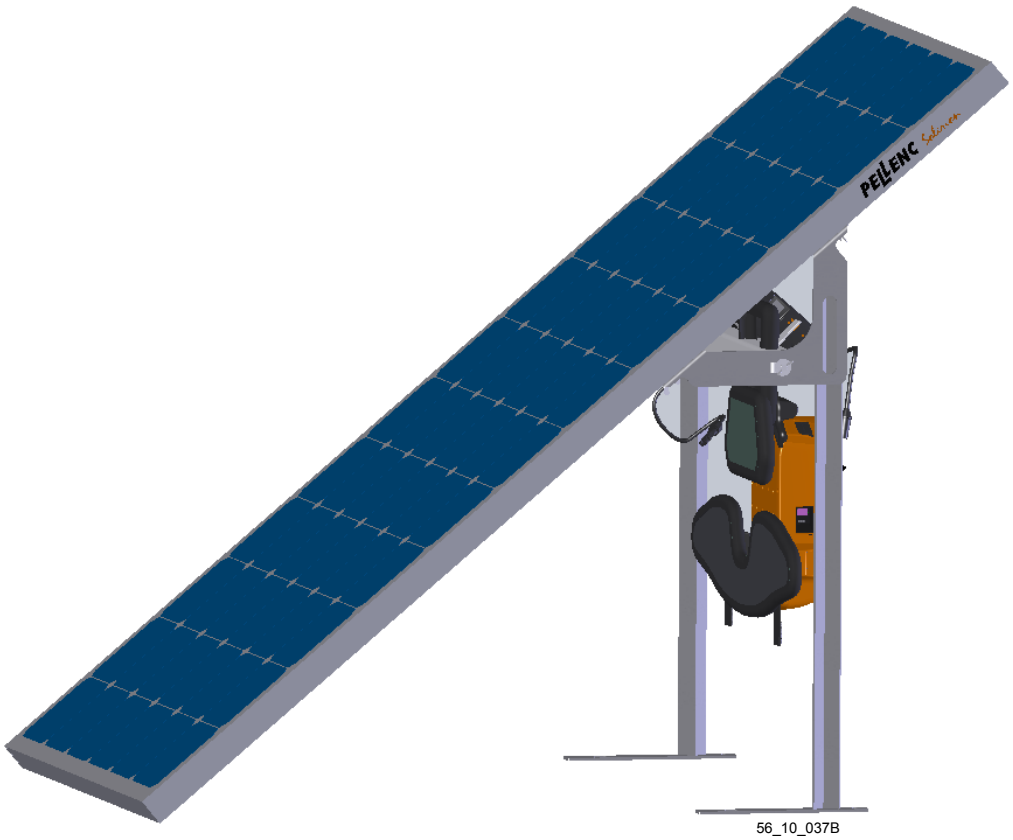
PELLENC Green and City Technology develops new products every year in an aim to meet the requirements of professionals.
Today, our range of products is growing and our engineers are doing their utmost to create tools, thus pushing technology advances further.

Our passion is innovation, with an aim to improve the working quality and conditions for professionals by supplying a complete range of powerful, lightweight, easy-to-handle and very profitable tools:

- our blowers operate quietly with power modulation.
- our hedge-trimmers combine comfort and performance.
- our grass-cutting brush cutters are robust and multi-functional.
- our chainsaws are lightweight, powerful and very easy to handle.
- our pruning shears are the most powerful in the world.
- our hoeing machines, which are unique in the world, replace cumbersome rotary hoes.
- our olive harvesters are exceptionally efficient.
- our vine tying machine combines efficiency and profitability.
- our batteries have a very high autonomy.
- our mobile solar panel offers the possibility to charge your batteries anywhere.
- Exceptional light output of our autonomous lighting systems.

All of our tools have minimal CO2 emissions and meet the requirements of Local Collectivities or other associations in terms of a sustainable environment and ecology.

PELLENC is the only company to propose a full range of tools which are 100 % clean and with zero CO2 emissions thanks to the SOLERION solar panels which can be used to recharge our batteries.



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Hedge-trimmer
HELION Universal

Battery converter
Power Convertor 1000 W

Chainsaw
SELION C20

ULiB Battery
200 - 400 - 700 - 1100 -
POLY 5 - OLIVION

Vineyard pruning shears
LIXION Evolution

Vineyard pruning shears
LIXION Evolution II

Chainsaw
SELION M12

Orchard and green space pruning shears
- 2 hands -
TREELION D45

Blower
AIRION

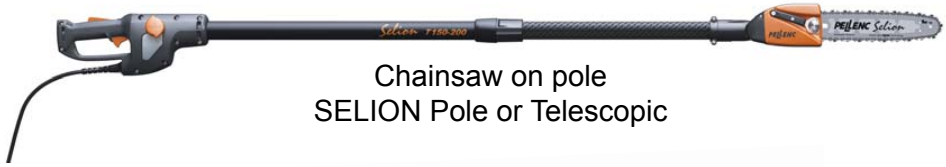
Orchard and
green space pruning shears
TREELION M45

Brush Cutter
EXCELION 2000

Grass-Cutting Brush Cutter
EXCELION 1200

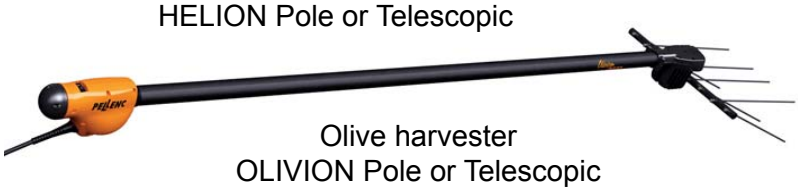
Hoeing machine
CULTIVION

Lighting system
LUMENION



Chainsaw on pole
SELION Pole or Telescopic

Hedge-trimmer on pole
HELION Pole or Telescopic



Olive harvester
OLIVION Pole or Telescopic

INTRODUCTION

BILAN CARBONE

“Every type of human activity creates greenhouse gas emissions, whether directly or indirectly. Therefore, every company, administration or association may quite rightly take an interest in the emissions they generate. To enable them to act, they have to establish an analysis to find their room for maneuver. The Bilan Carbone® method is a greenhouse gas (GHG) emissions assessment tool. It uses easily available data to correctly evaluate your activity in terms of direct or indirectly generated emissions.” (Source: ADEME-France)

In order to act responsibly, PELLENC has launched an environmentally friendly range of tools with minimum CO2 emissions, which can be as low as zero thanks to the SOLERION solar charger.

Thanks to the development of its own Lithium-Ion clean technology, PELLENC proposes ultra-high capacity batteries with a **record level of autonomy** and **power to rival heat motors.** In addition, the PELLENC motor makes the tool **exceptionally profitable** as it consumes very little energy and is **unbeatably lightweight**.

Lithium-Ion technology combined with the electric PELLENC motor means that the SELION emits very little CO2 into the atmosphere, giving it the image of a **clean tool.**

When comparing the direct CO2 emissions of the SELION and a heat-engine powered chainsaw, a huge difference can be seen. A heat-engine powered chainsaw has direct CO2 emissions of over 4.9 tons per year, while the SELION only emits 40 kg.

Using the SELION means reducing direct emissions by approximately 99% compared to a heat-engine; that’s 121 times less!

If you recharge PELLENC batteries using our SOLERION solar charger, direct CO2 emissions are reduced to ZERO

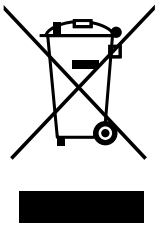
	Heat-engine powered chainsaw	SELION	WITH SOLERION
	Direct emission + production of petrol	Direct emission + production of electricity	Direct emission
Carbon equivalent/ hour	4,084 g CO2/hour	34 g CO2/hour	0 g CO2/hour
Carbon equivalent/ day	24 kg CO2/day	204 g CO2/day	0 g CO2/day
Carbon equivalent/ year	4.9 tons CO2/year	40 kg CO2/year	0 g CO2/year

Data: On average, 1 kWh EDF has a carbon equivalent to 90 g of CO2 per kWh in France, covering production and remaining life (ADEME-France).
1 liter of SP95 unleaded fuel corresponds to a direct carbon emission equivalent of 2,542g CO2/l and a production + direct carbon emission of 5,518g CO2/l.
Based on: 6 hours of work per day and 200 days of work annually.

By using PELLENC tools:
- **you considerably reduce greenhouse gas emissions,**
- **you strongly participate in protecting the environment.**

INTRODUCTION

ENVIRONMENTAL PROTECTION



Your equipment comprises numerous materials which can be valorised or recycled. Entrust these to your reseller or to an approved service centre so that they can be processed.

Comply with the regulations in force in your country as concerns environmental protection associated with your activity.

SAFETY INSTRUCTIONS

PLEASE SAVE THESE INSTRUCTIONS

This manual contains important information and operating instructions for the following tool: SELION M12.

It is IMPERATIVE that you read through the ENTIRE USER'S MANUAL before using or servicing the tool. Always comply with the instructions and illustrations in the manual.

All through this user guide you will find advisory notes and information entitled: **REMARK**, **CAUTION** / **WARNING**.

A **REMARK** provides additional information, clarifies a point or explains a step to be followed in detail.

The **CAUTION** and **WARNING** advisories are used to define a procedure which, if neglected or incorrectly performed, may lead to serious damage to the equipment and/or personal injury.

This advisory: G indicates that if the procedures or instructions are not complied with, any damage will not be covered by the warranty and the owner will be responsible for the repair costs.

Safety indications are also given on the tool; they remind you of the safety precautions to be taken. Identify and read these indications before using the tool. Immediately replace any indications that may become partially illegible or deteriorated.

Refer to the «SAFETY INDICATIONS» heading in order to identify the location of the safety indications on the tool.

No part of this manual may be reproduced without the written consent of PELLENC. The technical characteristics and the illustrations given in this manual are for information purposes and are in no way contractual. PELLENC reserves the right to make any modification or improvement to its products as deemed necessary without informing customers already in possession of a similar model. This manual forms an integral part of the tool and must accompany the tool if it changes hands.

KEEP THESE INSTRUCTIONS

GENERAL SAFETY INSTRUCTIONS FOR THE TOOL

CAUTION Read all the safety measures and all the instructions.
Retain all the safety measures and instructions for later reading.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or preliminary instructions by a person responsible for their safety.

SAFETY INSTRUCTIONS

WORK AREA SAFETY

1– Keep the work area clean and well lit. *Cluttered or dark areas invite accidents.*
2– Do not operate power tools in an explosive atmosphere, for example in the presence of flammable liquids, gases, or dust. *Power tools create sparks, which can ignite dust or fumes.*
3– Keep children and bystanders away while operating the tool. *Distractions could cause you to lose control of the tool.*

ELECTRICAL SAFETY

1– Do not expose tools to rain or damp conditions. *Water penetrating inside a power tool will increase the risk of electric shock.*
2– Do not misuse the power cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges, and moving parts. *Damaged or entangled cords increase the risk of electric shock.*

PERSONAL SAFETY

1– Stay alert, watch what you are doing, and use common sense when operating the tool. Do not use a power tool when you are tired or under the influence of drugs, alcohol, or medication. *A moment of inattention while operating a power tool may result in serious personal injury.*
2– Use safety equipment. Always wear eye protection. *Safety equipment such as dust masks, non-slip safety shoes, helmets, or ear protection used at the appropriate times will reduce personal injuries.*
3– Avoid accidental starting of the tool. Make sure the switch is in the off position before connecting the tool to the power source and/or battery pack, picking it up, or carrying it. *Carrying the tools with your finger on the switch or connecting tools with the switch in the 'on' position can cause accidents.*
4– Remove any adjusting wrench before switching the tool on. *A wrench left attached to a rotating part can cause injury.*
5– Do not rush. Keep proper footing and balance at all times. *This provides better control of the tool in unexpected situations.*
6– Dress appropriately. Do not wear loose clothing or jewellery. Keep hair, clothing, and gloves away from moving parts. *Loose clothing, jewellery or long hair can get caught in moving parts.*

TOOL USAGE AND MAINTENANCE

1– Do not force the tool. Use the tool suited for the job. *The adapted tool will do a better and safer job, in accordance with the purpose for which it was designed.*
2– Do not use the tool if the switch does not allow it to be switched on and off. *Any tool the cannot be controlled by the switch is hazardous and must be repaired.*
3– Disconnect the plug from the power source and/or battery pack prior to any adjustment, change of accessories or before putting the tool away. *These preventive safety measures reduce the risk of starting the tool accidentally.*
4– When not in use, keep tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate it. *Tools are dangerous for inexperienced users.*
5– Comply with the tool servicing instructions. Check that the moving parts are not out of alignment or jammed, that there are no broken parts or that there is no other condition which could affect the operation of the tool. If damaged, have the tool repaired before using it. *Many accidents are due to poorly maintained tools.*

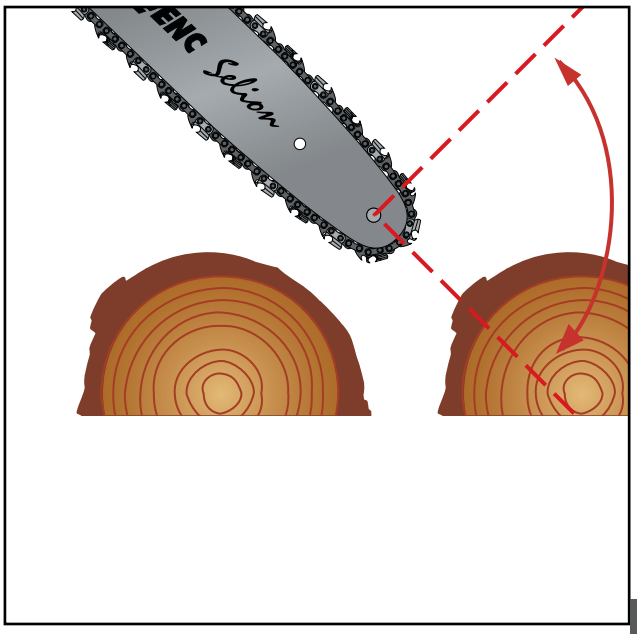
6– Keep cutting tools sharp and clean. *Properly maintained cutting tools with sharp cutting parts are less likely to jam and are easier to control.*
7– Use the tool, accessories and blades, etc. in accordance with these instructions, taking into account the working conditions and the work to be done. *Using the tool for operations other than those provided for could result in hazardous situations.*

MAINTENANCE AND UPKEEP
1– Have the tool serviced by an authorised PELLENC distributor, using only identical spare parts. *This will guarantee that the tool safety is maintained.*

SAFETY INSTRUCTIONS FOR THE CHAINSAW

1– Keep the cutting chain away from all parts of your body when the chainsaw is operating. Before starting the chainsaw, make sure that the cutting chain is not in contact with anything. *A momentary distraction while using the chainsaws can result in your clothes or a body part getting caught in the cutting chain.*
2– Always hold the rear handle of the chainsaw with your right hand and the front handle with your left hand. *Holding the chainsaw the other way round increases the risk of bodily injury and should never be attempted.*
3– Hold the tool only by its insulated gripping surfaces as the chainsaw can come into contact with the hidden wiring or the tool's own power cord. *Saw-chains coming into contact with a "live" wire can result in the electrification of the exposed metal parts of the electric tool and cause electric shock to the operator.*
4– Wear safety goggles and auditory protection. Additional protective equipment for your head, hands, legs and ears is recommended. *Appropriate protective clothing will reduce the risk of bodily injury caused by flying debris or accidental contact with the cutting chain.*
5– Always remain steady on your feet and only use the chainsaw while on a stationary, secure, and level surface. *Slippery or unstable surfaces such as ladders can cause a loss of balance or control of the chainsaw.*
6– When cutting a bent branch, beware of it springing back. *When the tension of the wood fibres is released, the branch can spring back and hit the operator and/or result in a loss of control of the chainsaw.*
7– Be extremely careful when cutting scrub and young shrubs. *Fine materials can catch in the cutting chain and be projected in your direction like a whip, or make you lose your balance because of the traction effect.*
8– Hold the chainsaw by the front handle, switch the power off and keep it away from your body. When transporting or storing the chainsaw, always fit the protective cover over the chain. *Appropriate handling of the chainsaw will reduce the likelihood of accidental contact with the mobile cutting chain.*
9– Follow the instructions concerning accessories for lubrication, tension, and chain replacement. *A chain with incorrect tension and lubrication can break or increase the risk of kickback.*
10– Keep the handles, dry, clean and free from oil and grease. *Greasy, oily handles are slippery and cause a loss of control.*
11– Only cut wood. Do not use the chainsaw for any purpose other than for which it is intended. do not use the chainsaw to cut plastic materials, masonry or constructions other than wood. *Using the chainsaw for operations other than those for which it is intended can cause hazardous situations.*

CAUSES OF KICKBACK AND HOW THE USER CAN PREVENT IT



Kickback can occur if the front or end of the chain guide touches an object or if the cut in the wood closes and traps the cutting chain in the cut.

In some cases, contact with the end of the chain guide can suddenly cause the chain guide to kick upwards and backwards towards the user.

If the cutting chain is trapped on the upper part of the chain guide, the chain guide can abruptly push back towards the user.

Either of these reactions can cause a loss of control of the saw, likely to lead to serious injury. Do not rely exclusively on the safety features built into your saw. The user of the chainsaw must take all necessary measures to prevent risks of accident or injury when cutting.

Kickbacks result from incorrect use of the tool and/or incorrect operating conditions or procedures, and can be avoided by taking the appropriate precautions specified below:

- **Hold the saw firmly in both hands with thumbs and fingers around the handles of the saw, and position your body and arm to allow you to resist kickback forces.** *Kickback forces can be controlled by the operator if proper precaution taken. Do not let go of the chainsaw.*
- **Do not reach your arms out too far and do not cut above shoulder height.** *This helps prevent unwanted contact with the end and facilitates control of the chainsaw in unforeseen situations.*
- **There are different models of chains according to the work to be done. Only use genuine PELLENC chains and guides.** *Incorrect chain guides and replacement chains can cause the chain to break and/or kickbacks.*
- **Follow the instructions for sharpening and servicing the chainsaw.** *Reduction in the depth gauge level can lead to increased kickbacks.*

Increased safety thanks to three revolutionary PELLENC technologies!

The first safety mechanism is the PELLENC electronic safety sensor: this mechanism instantly engages a brake electrical system in case of a fall or rebound (kickback phenomenon), and is 8 times more sensitive than the chain brake on a petrol chainsaw.

The second safety feature is provided by the tool's auto-diagnostic system: on first use, the Selion M12 verifies that the electronic kickback sensor is operational, if this is the case, the machine will be able to function!

The third safety feature is the use of OREGON chains with low kickback: the kickback phenomenon, if it occurs, will be much less violent than that of a conventional chainsaw.

That makes the SELION M12 an overall safer tool than conventional chainsaws.

SAFETY INSTRUCTIONS

SAFETY EQUIPMENT

	Protective equipment	Wearing is
1	Helmet	Mandatory
2	Visor	Recommended
3	Gloves	Mandatory
4	Non-slip safety boots	Mandatory
5	Ear protection	Recommended
6	Safety goggles	Mandatory
7	Safety jacket or over-sleeves	Mandatory
8	Protective trousers	Mandatory

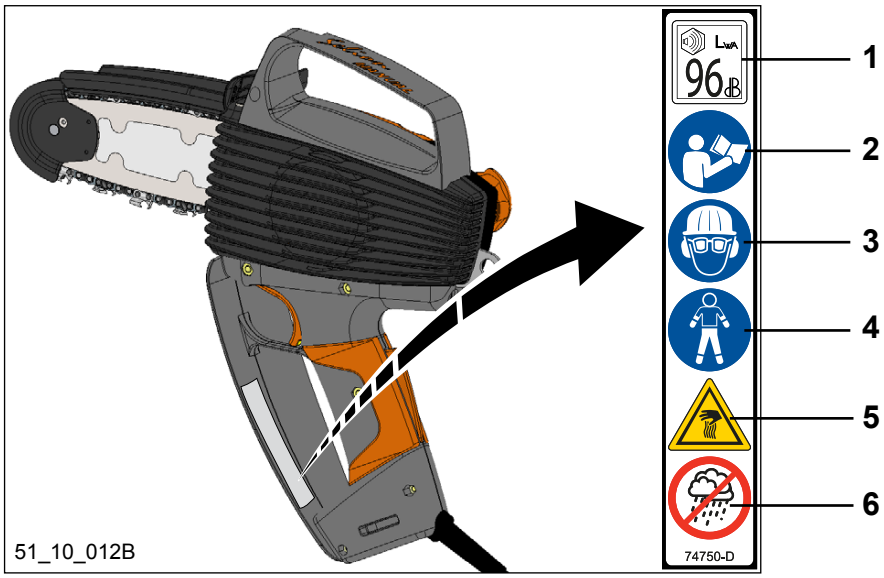
NOTE: Chain speed : 10,3m/s. Wear safety clothes suited to this chain speed. (Class 0 as per standard EN 381) and which are not too big.

SAFETY REFLEXES

- Keep your left arm straight for better control.
- Hold the chainsaw at your side, and not in front of you.
- Use Pellenc genuine chains and guides.
- Keep the chain, the guide and the sprocket in good working condition.
- Stand with your legs apart and well balanced.
- Remember to vary your working position and to take regular breaks from work.

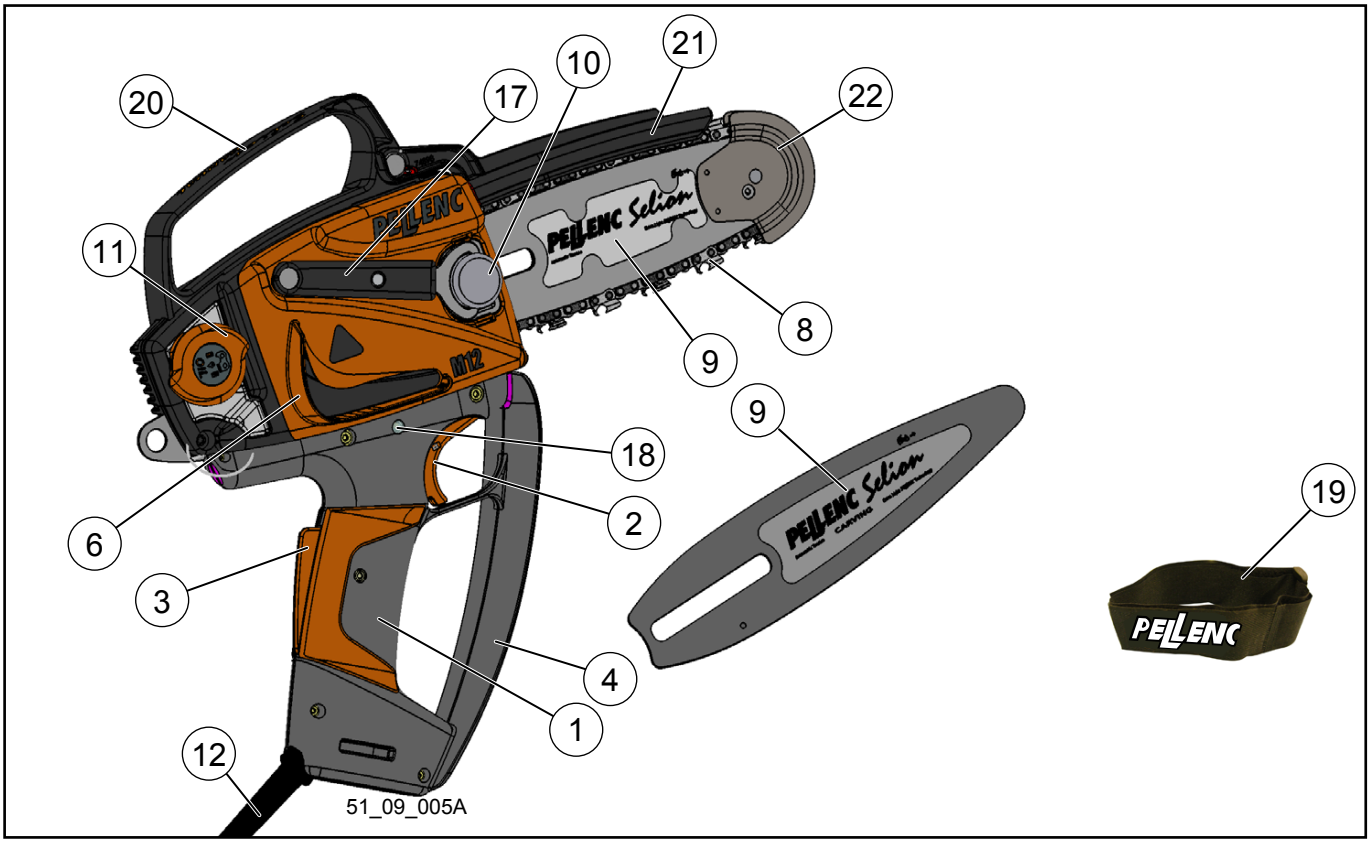
WARNING!

- Clear the work area before cutting.
- Calculate the point where the object you are cutting will fall.
- Take care that the chainsaw is not pushed back by the object to be cut.
- Position yourself correctly to prevent accidents.
- Never cut when on a ladder.
- Keep all other persons clear. Never have someone hold the object you are cuttting.
- Cut the branches into suitably sized pieces from the outside of the tree towards the trunk.
- Be careful of branches that bounce back when they drop to the ground.



1– Sound power level LwA warranted
2– Read the user manual
3– Goggles, hearing protectors and helmets must be worn
4– Suitable fore-arm, leg and foot protection is mandatory
5– Risk of burns (motor)
6– Do not expose to rain

DESCRIPTION AND TECHNICAL CHARACTERISTICS



1: Handle
2: Operating trigger
3: Safety trigger
4: Front right hand protection
6: Chain casing
8: Saw chain
9: Chain guide (carving guide ref. 80343 sold separately)
10: Chain guard tightening nut
11: Oil reservoir cap
12: Tool power lead
17: Telescopic tightening wrench
18: Power-on light.
19: Arm band
20: Upper handle
21: Chain protection
22: Anti-kickback nose guide

TECHNICAL CHARACTERISTICS

Working capacity (time)	According to use and battery type
Chain oil reservoir capacity	7 cm^3
Useful cutting length / chain guide	15 cm (6'') / specific to Pellenc
Chain Type / Pitch / Gage	25AP / 6.35 mm (1/4'') / 1.3 mm (0.05'')
Sprocket	9 teeth 1/4''
Chain speed	10.3 m/s
Weight of tool without guide or chain	1.65 kg

Determining the sound levels and vibration rates is based on the operating conditions at the maximum nominal rating.

Acoustic pressure level at work station - Equivalent weighted value A as per EN ISO 11201:1996	L_{pA} = 86 dB	K = 3 dB

Symbol	Value	Unit	Reference	Comment
L_{WAm}	93,5	dB(A)	1 pW	Measured sound power level
L_{WAg}	96	dB(A)	1 pW	Guaranteed sound power level

The recording of the measured sound power level and of the guaranteed sound power level has been performed according to a procedure in accordance with directive 2000/14/CE appendix V.

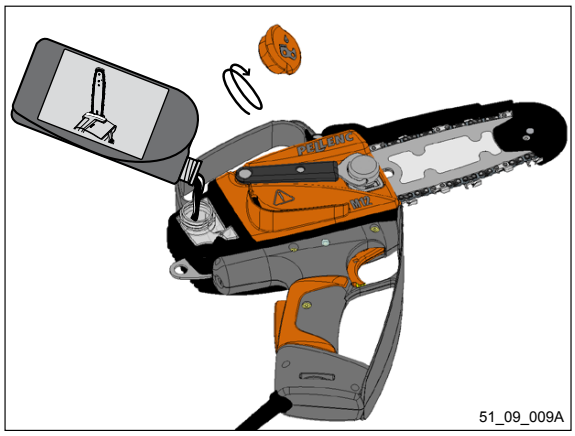
Vibration emission value as per EN 60745-2-13:2008	left hand a_h = 2.8 m/s^2	uncertainty K_d = 1.5 m/s^2

PUTTING THE TOOL INTO SERVICE

CHAIN LUBRICATING SYSTEM

Reasonable oil consumption!
Oil consumption has been significantly reduced by the electronic control of the oil flow. This is a PELLENC innovation.

1– Use special guide and chain oil (ref. 85920).
2– Carefully pour the guide and chain oil into the reservoir.
3– Check the oil level every hour and top it up if necessary.

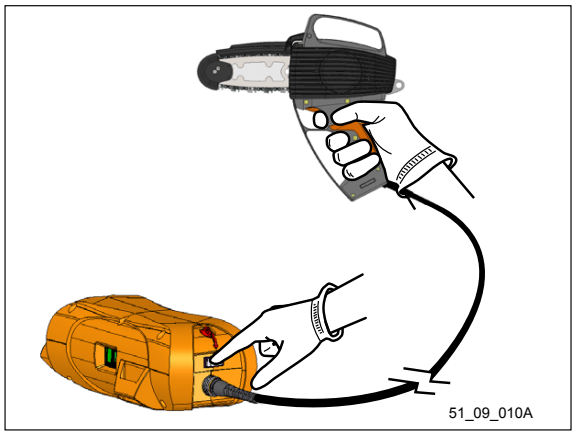


COMMENT:
PELLENC recommends using biodegradable chain oil in compliance with RAL-UZ-48 norm (ref. 85920 or, by default, any oil in compliance with RAL-UZ-48 norm)

FORCED CHAIN LUBRICATING SYSTEM

1– Hold the tool vertically. Press the triggers and keep them hold.
2– Set the battery switch to «I».
3– An automatic cycle starts which sends oil from the reservoir to the chain guide.
- 1 short beep every 20 seconds during the cycle.
- 3 beeps to validate the end of the cycle.

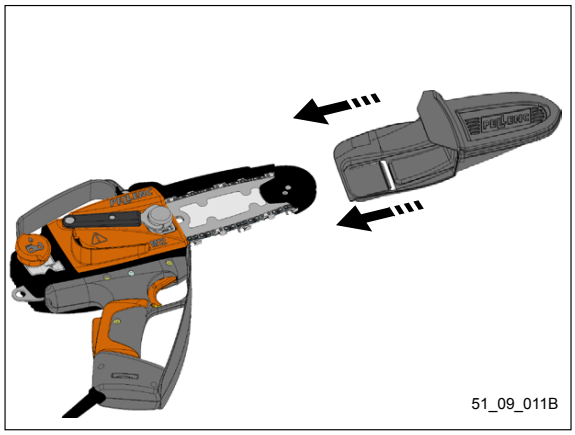
4– Loosen the triggers when you hear the first beep.



CAUTION:
Carry out forced lubrication at the start of each season in order to check the chain lubricating function.
Carry out forced lubrication when necessary.

CHAIN PROTECTION

Fit the guide and chain protection whenever you transport, handle and store the chain saw.



Never transport the chain saw without its protective cover. The chain saw must always have its protective cover on when moved.

CAUTION: Never use dirty or used oil.

PUTTING THE TOOL INTO SERVICE

STARTING

1– Put the tool in its starting position (see page &MISE_EN_ SERVICE&). Remove the chain guide protector.
2– Set the battery On/Off switch. to the on position «I». **From the moment the indicator light (18) comes on, the tool is energized and ready to operate.**
3– Press and hold the safety trigger (3) while holding the chainsaw by the upper handle.
4– In order to guarantee chainsaw safety when relocating, an electronic device blocks the motor control 3 seconds after the motor is stopped. Press the trigger (2) twice consecutively to restart the motor. The chainsaw runs by keeping at least the trigger (2) pressed**.**
5– Release the trigger (2) to stop the motor.

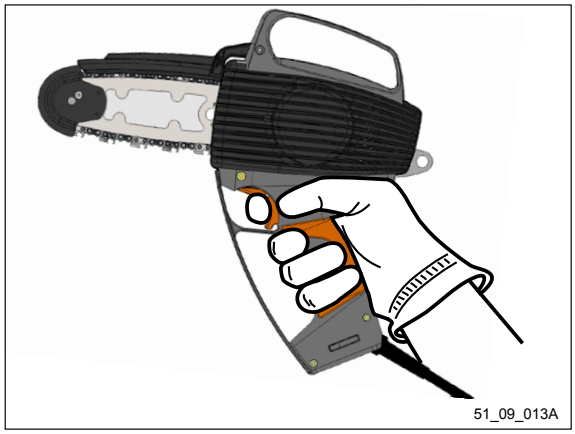
The light on the handle indicates that the power supply is switched on.

CAUTION:
When either the guide or the chain is replaced, they must be run in by operating the tool off load for 1 to 2 minutes.
Check the chain tension after running in (see page 20).

The tool is equipped with a Pellenc-designed electric motor. The motor maintains a constant speed, both off load and when cutting.
Allow the chainsaw to cut without pressing excessively.
Always start the motor before bringing the chainsaw into contact with the wood.
To prevent the motor from overheating, alternate between large cuts and small cuts.

HOLDING THE TOOL

1. Take the chain saw by the handles and ensure nothing is touching the chain.
2. Attach the power supply cord to your arm using the suuplied armband. .
3. The chain saw is in its “start-up” position.



CAUTION! Do not cut anything other than wood.
Always keep your left hand back from your right hand or on the upper handle.

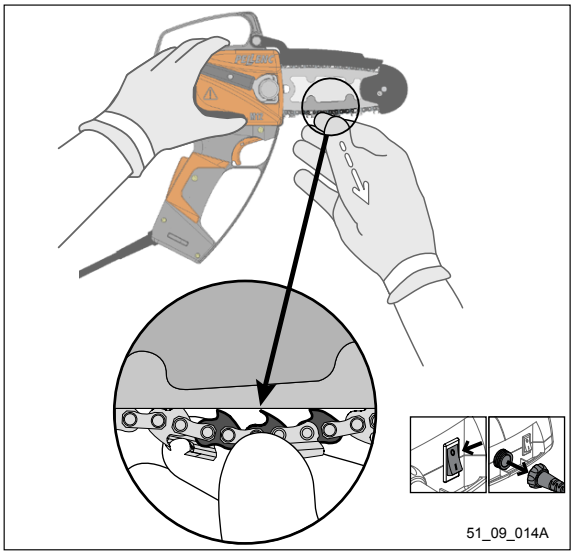
CAUTION:
Never disconnect the power lead from the battery without checking that the On / Off switch is in the off position «0».

STARTING AND USE

INTRODUCTION

The automatic chain tensioning (PELLENC innovation) facilitates tool maintenance!
The automatic chain tensioning system (PELLENC innovation) facilitates the installation of the chain and its tension adjustment. Position the guide, and clip it, the guide is in position! You can permanently lock it in position using the retractable wrench (PELLENC innovation).

The automatic chain tensioning along with the PELLENC retractable wrench can also be used to retighten the guide in a few seconds: no need for additional wrenches!

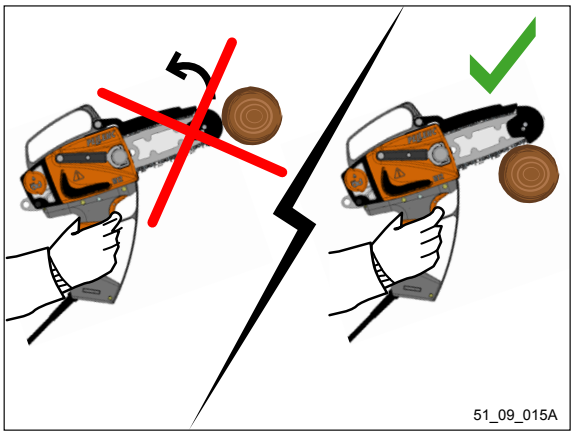


Make sure that the chain tension is correct by pulling the chain.
1 to 3 drive links should appear.

CHAIN BRAKE

Your chain saw is fitted with an impact detection system
In the event of impact (bounce) your chain saw will stop immediately.

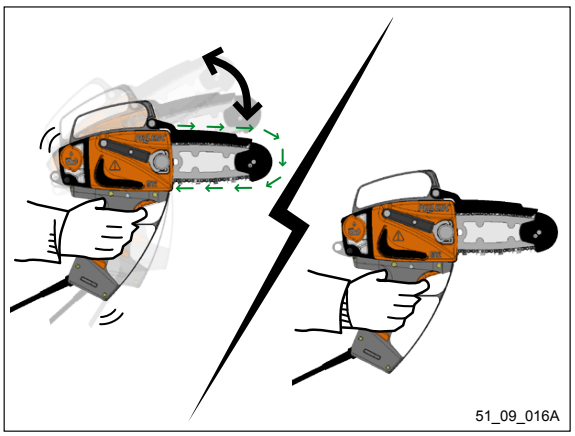
Ensure the chain is not in contact with anything before you start up the chain saw again.



CHECKING THE CHAIN BRAKE

Realize dry movements from top to bottom to activate the safety device.

WARNING: never operate the chain saw if the safety device is not operating.

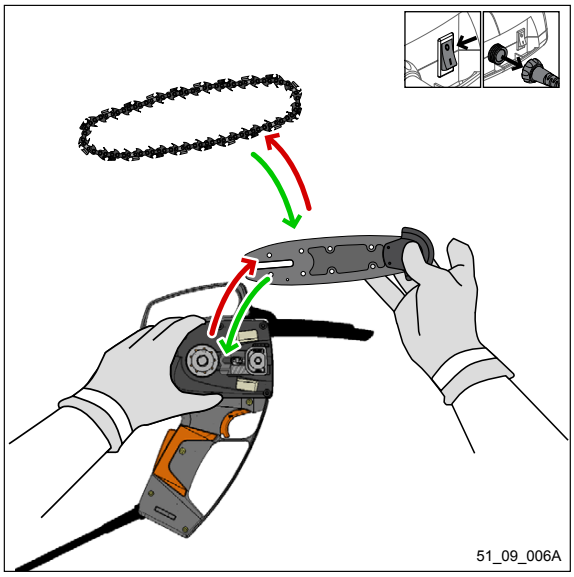


STARTING AND USE

INSTALLING THE CHAIN GUIDE

2 types of chain guide bar can be mounted on the chainsaw:
antikickback 6’’ guide bar (ref. 78790)
carving 6’’ guide bar (ref. 80343).

Do not use other chain guide bar than those recommended.



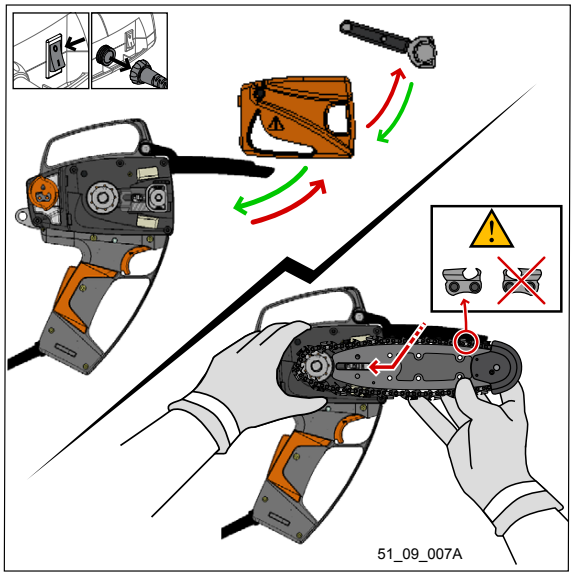
Follow the chain installation procedure.
Replace the chain guide or turn it round if necessary.

The chain guide must be replaced whenever necessary or when 3 or 4 chains have been replaced. Turn the chain guide round every week.
Always set the switch to the off position «0» and disconnect the battery connector before doing any work.

INSTALLING THE CHAIN

(P/No. 71550).

Remove the chain guard by unscrewing the chain guard (**10**) lock.
Push the guide towards the sprocket to enage the lock.
Install the chain in accordance with the cutting direction.
Reinstall the chain guard.

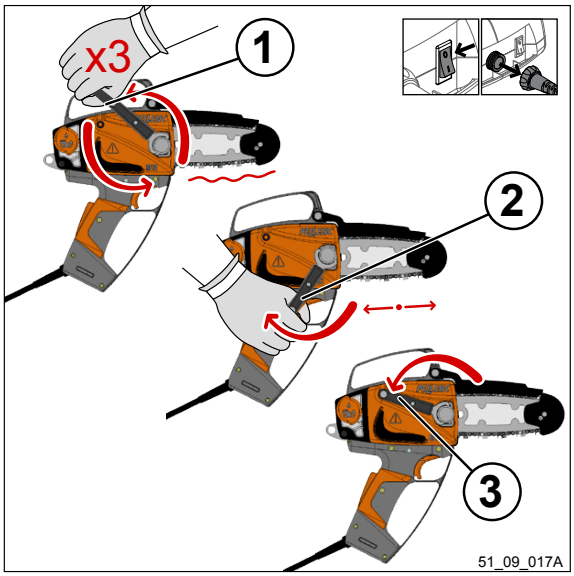


Adjust the tension of the chain.
Always set the switch to the off position «0» and disconnect the battery connector before doing any work.

AUTOMATIC CHAIN TENSIONING

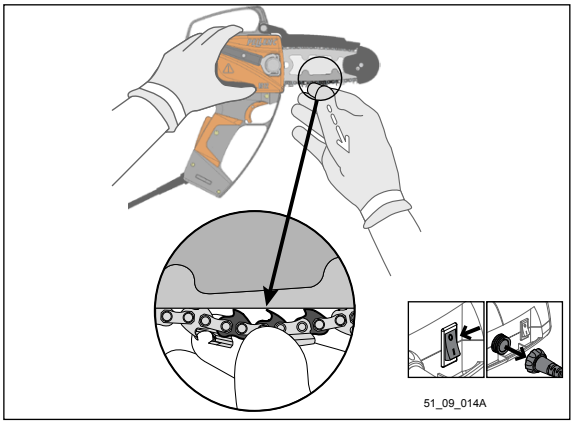
Simplified chain maintenance!
No need for an additional wrench to remove and reinstall the chain, PELLENC’s innovative retractable wrench system can be used to tighten the chain in a few seconds.

Loosen the chain guard (**10**) nut by 3 turns.
The chain is tensioned automatically when the guide moves forward.
Tighten the chain guard nut correctly using the telescopic wrench and put the wrench handle back on its magnetic holder.



STARTING AND USE

Adjust the tension as often as necessary.
Check the tension by pulling the chain in the middle of the guide: 1 to 3 drive links should appear.



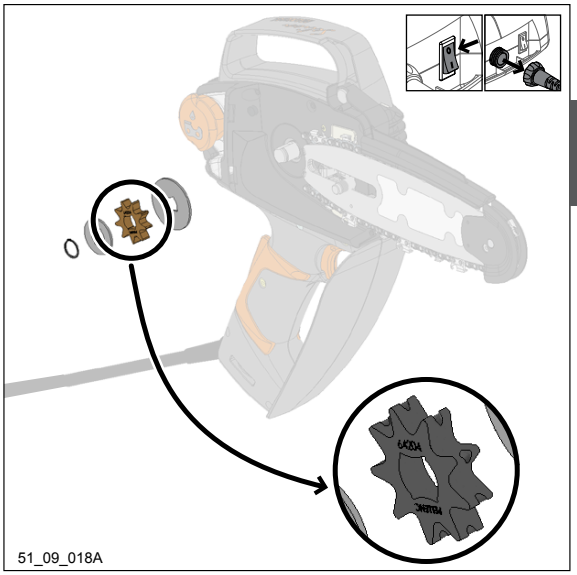
CHECKING AND REPLACING THE SPROCKET

Remove the chain guide and the chain.
Remove the circlip and remove the sprocket.

Replace the sprocket whenever necessary or when two chains have been replaced (P/No. 64204).

Reinstall the assembly and pay attention to the direction of installation of the circlip.

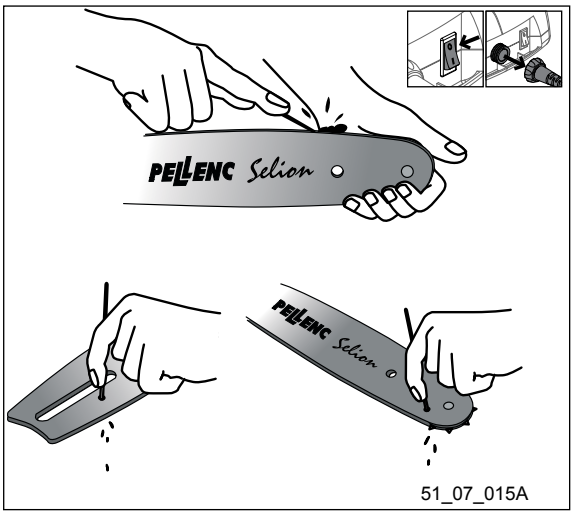
The circlip must be replaced each time it is removed (P/No. 01357).
Always set the switch to the off position «0» and disconnect the battery connector before doing work.



CLEANING THE CHAIN GUIDE

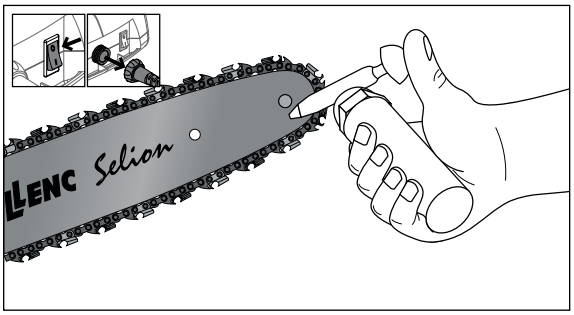
Remove and clean the chain guide every day. Clean the guide and the lubricating holes.

Carry out this operation each time you change work sites in order to disinfect the tool a little.
Clean the lubricating holes as often as necessary.
Always set the switch to the off position «0» and disconnect the battery connector before doing work.



LUBRICATING THE CHAIN GUIDE

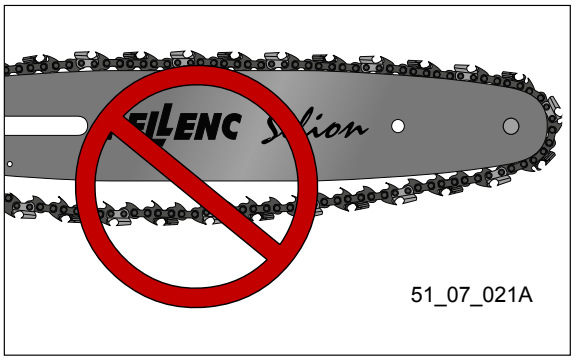
Lubricate the chain guide every day using a grease gun (P/No. 68518).



THE FOUR BASIC RULES

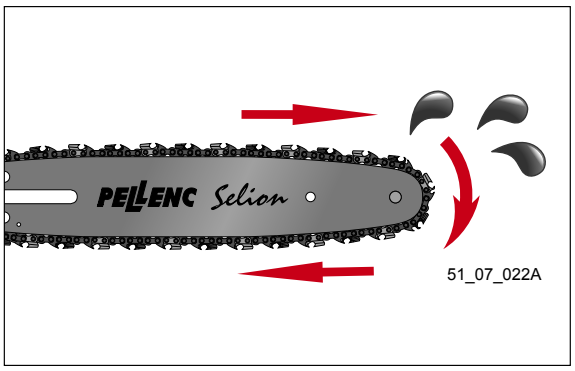
■ RULE No. 1

The chain must be correctly tensioned.
See page 20



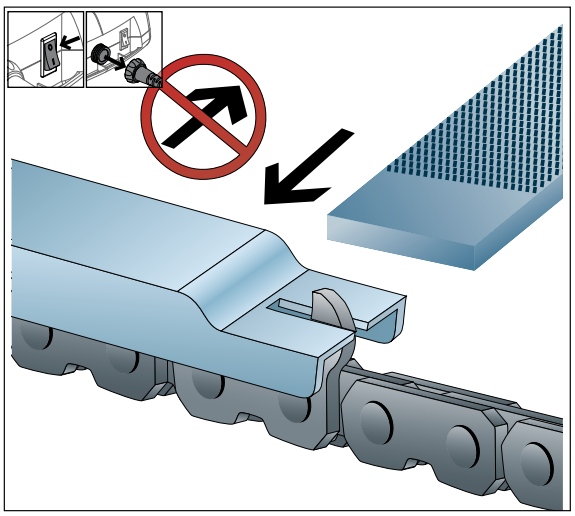
■ RULE No. 2

The chain must be well lubricated.
Constant lubrication of the guide, the chain and the sprocket is vital.
See page 17



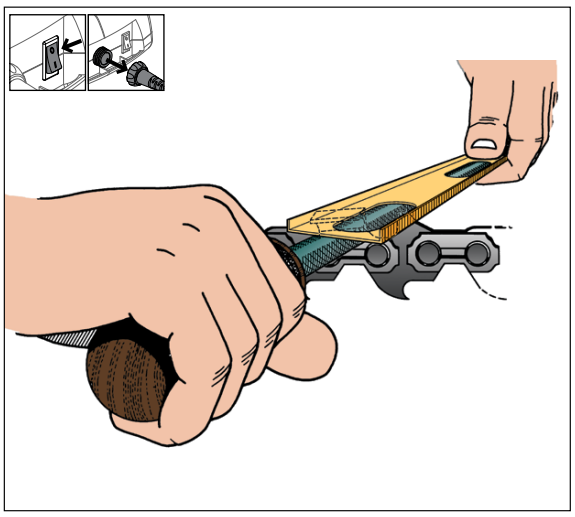
■ RULE No. 3

The depth limiters must be correctly adjusted.
The depth limiters must be correctly adjusted and of the right shape to ensure good performance and safety.
See page 26



■ RULE No. 4

The chain must be sharpened.
If the chain is correctly sharpened, it will do the work. If it is not correctly sharpened, its you who will do the work, and your cutting accessories will wear out more rapidly.
See page 25



SERVICING

CLEANING

Keep the tool clean by cleaning it frequently using a damp cloth and compressed air. Pay particular attention to the parts in contact with the wood (chain, guide).

CAUTION:
Never use solvents (Trichlorethylene, White Spirit, gasoline, etc) to clean the tool.

SERVICING INTERVALS

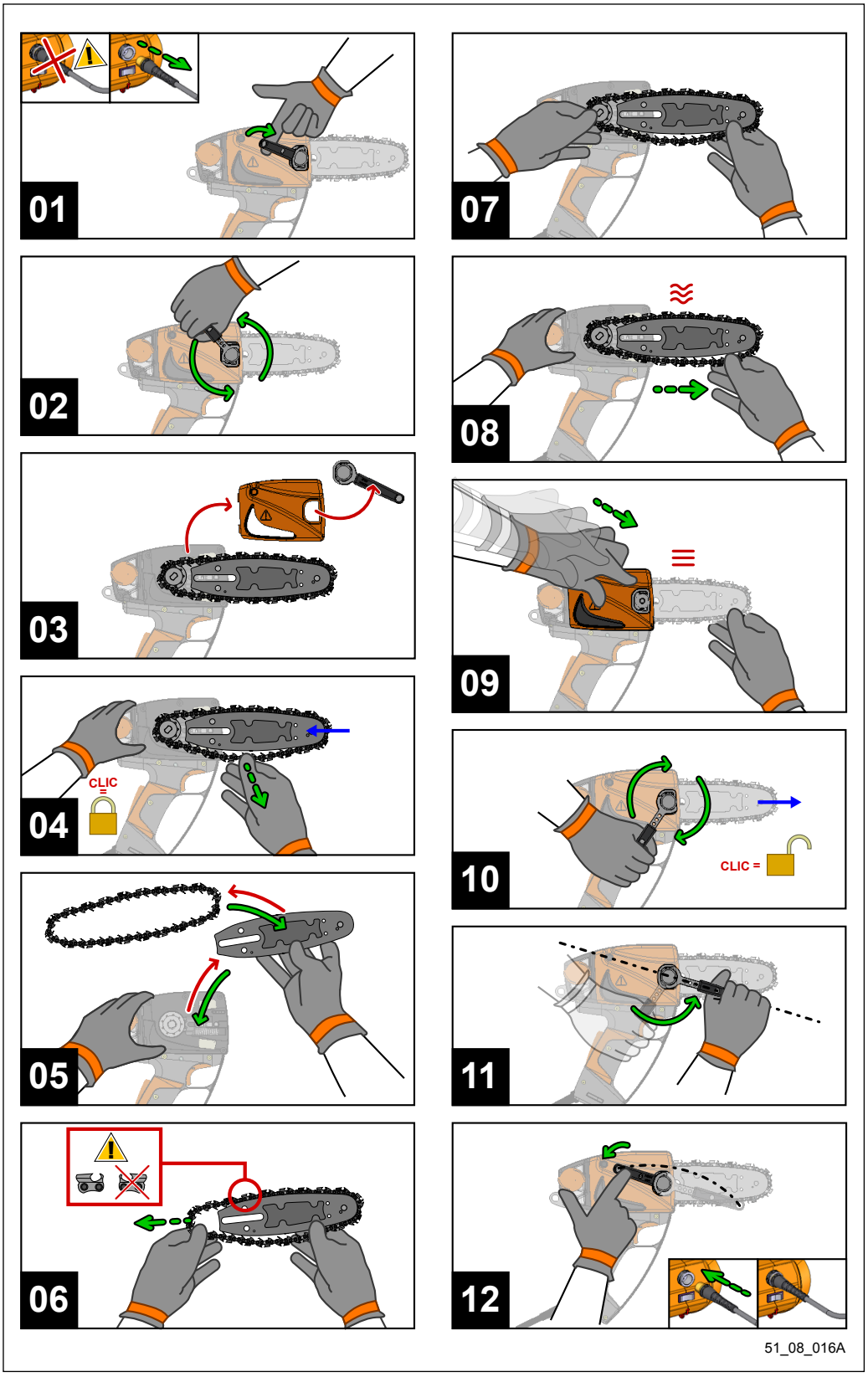
	At each start-up	Every hours	Every 2 hours	Each week	After use	Each year or when neces-sary
Visual check of the tool	X					
Functional check of the safety trigger	X					
Check and topping up of the oil	X	X				
Check of chain lubrication	X					
Check and tensioning of the chain	X		X			
Check of chain sharpness	X		X			
Check of chain brake	X					
Check and cleaning of the chain guide					X	
Greasing of the chain guide					X	
Check of sprocket wear				X		
Check of battery charge level	X					
Check of the tool by an authorized distributor						X

REMARK:
Overhaul the chain saw every 200 hours or at least once a year.
Make sure the chain saw is always clean and the battery charged before storage.

SERVICING

REPLACING THE CHAIN AND THE GUIDE

WARNING:
Before working on the tool, check that the On / Off switch is in the off position «0» and disconnect the battery power lead.

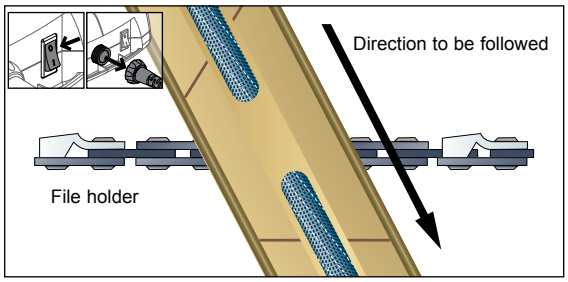


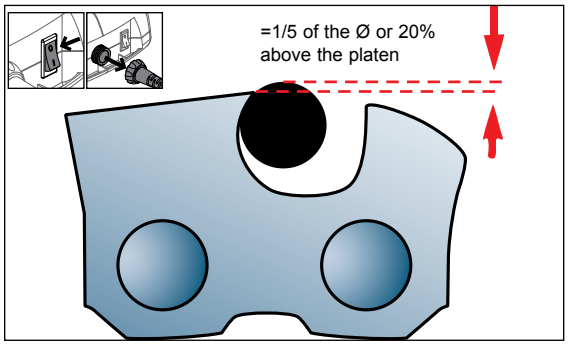
WARNING:
Never use a chain or a guide other than that specified by PELLENC, otherwise there is a risk of personal injury.

GENERAL INSTRUCTIONS FOR SHARPENING THE CUTTERS

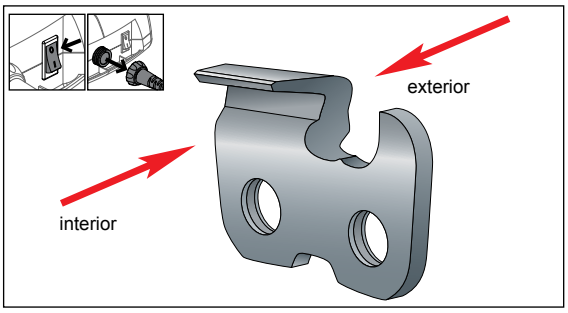
SHARPENING THE CUTTERS USING A ROUND FILE

■ As shown on the diagram, place a file holder on the top platen and the depth limiter of the cutter.

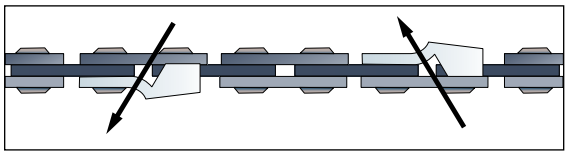




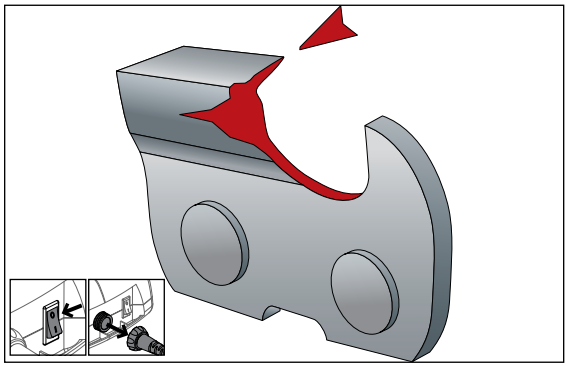
■ Sharpen the cutters from one side of the chain by filing from the interior toward the exterior. File only by pushing.



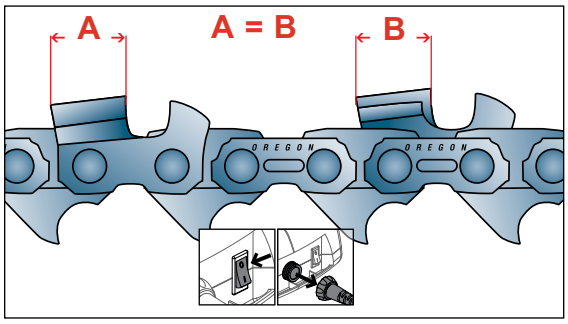
■ Hold the mark on the file holder parallel with the mark on the platen. Proceed in the opposite manner for the other side.



■ If the side platen or the top platen is damaged, file until this part is removed.



■ All the cutters must be the same length.



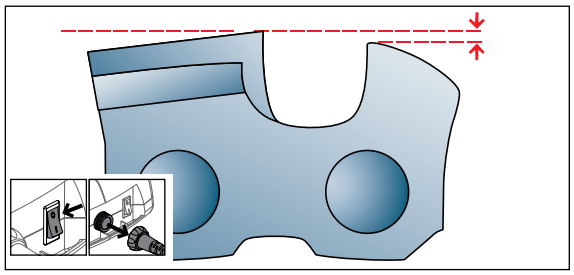
■ Check the depth limiters again. If the depth limiters need adjusting again, follow the instructions on page 26.

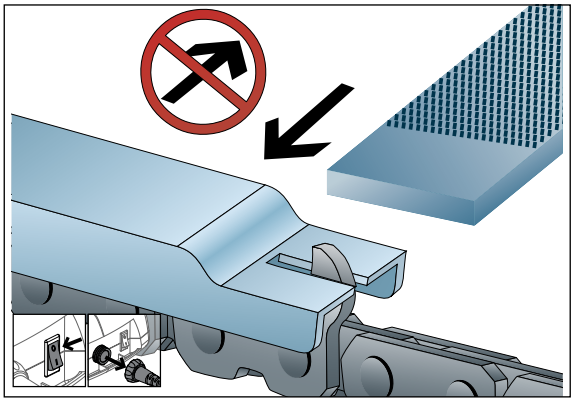
Note: Do not file the top of the drive links or the side links fitted with an anti-kickback guard.

ADJUSTING THE DEPTH LIMITERS

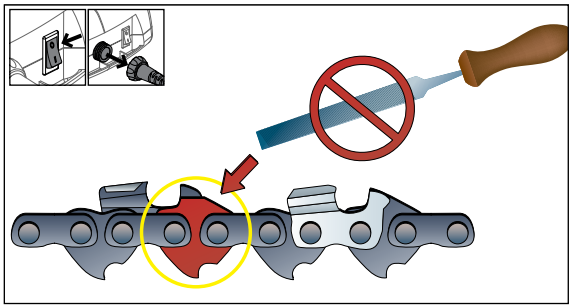
Sharpening kit P/No. 68520

■ Use a depth gage corresponding to the type of chain to be sharpened.
■ Check the depth limiters every 2 or 3 sharpening operations.
■ Place the depth gage on the cutter.
■ If the depth limiter goes beyond, file it to the level of the depth gage using a flat file.
■ Always file from the interior of the chain towards the cutter, placed at the exterior.

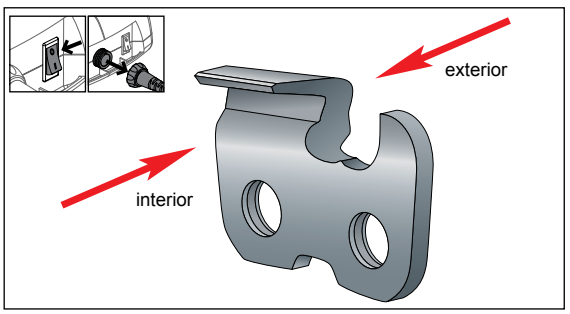


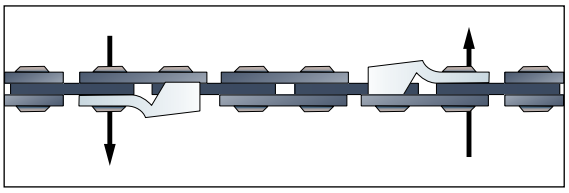


Note: Do not file or damage the top of the drive links or the side links fitted with an anti-kickback guard.

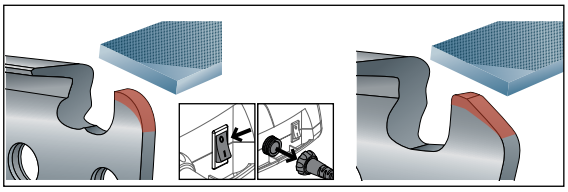


■ File from the interior of the cutter towards the exterior.





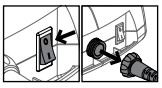
■ After reducing the height of the depth limiters, round off the angle to maintain the original shape of the depth limiters.



Note: On chains with drive links equipped with anti-kickback guards, it may be necessary to take the chain out of the guide in order to file the depth limiters correctly.

MAINTENANCE

STORAGE OUT OF SEASON



■ Always clean the tool before storing it.
■ Make sure the chain is sharp before storing the tool.
■ Grease the guide before storing the tool.
■ Empty the oil reservoir before storing the tool.
■ Fit the chain guide protector during transport and storage.

OIL RESERVOIR

■ The oil reservoir must be kept clean.
■ Clean the cap and the filling area before removing the cap.
■ Do not allow the oil to overflow from the reservoir; wipe off any excess oil.

REMARK:
The oil reservoir is equipped with a strainer. If the oil does not reach the saw head, return the tool to your authorized distributor so that he can clean the strainer.

«PELLENC SA» TERMS OF WARRANTY AND NON-RESPONSIBILITY CLAUSE MACHINE RANGE FOR OEP

In the event of failure of a mechanical part and subject to normal, rational use and maintenance in compliance with the maintenance manual, **PELLENC sa guarantees its products for a period of ONE YEAR** as of delivery; this time shall not exceed a period of 18 months following departure from the factory of the equipment under warranty : on one hand in accordance with the conditions stipulated in the warranties of PELLENC sa and on the other hand subject to the delivery report indicating the commissioning date was made known to PELLENC sa.

In the event of an accident and total or partial destruction of the product, PELLENC sa's warranty can only be granted, and their responsibility engaged, if the party claiming the warranty can provide technical proof specifying the origin of the accident, a defect in materials or a structural defect and the product components which are the cause of it.

This contractual warranty excludes any other responsibility of PELLENC sa, whether implicit or explicit. For this reason, the responsibility of PELLENC sa can not exceed the limits defined above and covers, to a limited extent, repair **or** replacement, as chosen by PELLENC sa, of parts recognized to be defective and, when applicable, the labour required to perform the repair or replacement on the basis of warranty time as defined by PELLENC sa.

Any maintenance or repair work whatsoever carried out during the warranty period shall mandatorily be performed by PELLENC sa or by a PELLENC sa authorized dealer, under penalty of forfeiture of the warranty.

All costs arising from the immobilization, movement, approach and transport shall be, in all events, for the sole account of the purchaser.

As concerns parts or equipment that are not manufactured by PELLENC sa, in particular ball screw, battery, etc., the warranty is limited to that of the suppliers to PELLENC sa. Normal wear parts worn out as the result of use are never under warranty.

PELLENC sa and the authorized dealer shall not be liable in the following cases:
- Malfunctions due to faulty servicing, user inexperience or abnormal use.
- Failure to perform overhauls and checks in accordance with manufacturer's instructions.
- Replacement of genuine parts or accessories with parts of accessories of another origin, or when the machine sold has been transformed or modified.

This warranty is explicitly limited to the terms defined above. **PELLENC sa shall not be liable, under any circumstances, for payment of any indemnity for any reason whatsoever**.

However, it is specified, in compliance with the provisions of decree No. 78.464 dated March 24th 1978, that this contractual guarantee does not replace the legal guarantee which obliges the seller to guarantee the buyer against the consequences of defects or hidden defects of the object sold.

"EC" DECLARATION OF CONFORMITY

MACHINES DIRECTIVE 2006/42/CE, APPENDIX IIA.

(ONLY CONCERNS EUROPE)

MANUFACTURER	PELLENC S.A.
ADDRESS	QUARTIER NOTRE-DAME ROUTE DE CAVAILLON - B.P. 47 84122 PERTUIS CEDEX (FRANCE)
PERSON/ENTITY AUTHORISED TO COMPILE THE TECHNICAL DOSSIER	PELLENC S.A.
ADDRESS	QUARTIER NOTRE-DAME ROUTE DE CAVAILLON - B.P. 47 84122 PERTUIS CEDEX (FRANCE)

WE HEREBY DECLARE THAT, FOR THE MACHINE HEREINAFTER REFERRED TO AS:

GENERIC DENOMINATION	CHAINSAW
FUNCTION	INTENDED FOR TREE-PRUNING
COMMERCIAL NAME	SELION MANUAL
TYPE	SELION M
MODEL	M12
SERIAL No.	

COMPLIES WITH THE PERTINENT PROVISIONS OF THE MACHINES DIRECTIVE (2006/42/CE)

AND COMPLIES WITH THE PROVISIONS OF THE FOLLOWING OTHER EUROPEAN DIRECTIVES:
- ELECTROMAGNETIC COMPATIBILITY 2004/108/CE
- RoHS 2011/65/CE

THE FOLLOWING HARMONIZED EUROPEAN STANDARDS WERE USED:
- EN 60745-1
- EN 60745-2-13

OBTAINED A "CE" EXAMINATION CERTIFICATION OF TYPE, No. BM 60088870 0001
DELIVERED BY LGA QualiTest GmbH - TÜV Rheinland Group - ZPRMR - Tillystraße 2 - 90431 Nürnberg - Germany, DATED 18/10/2013

Sound Level at the maximum operating rating

Symbol	Value	Unit	Reference	Comment
L_{WAm}	93,5	dB(A)	1 pW	Measured sound power level
L_{WAg}	96	dB(A)	1 pW	Guaranteed sound power level

The recording of the measured sound power level and of the guaranteed sound power level has been performed according to a procedure in accordance with directive 2000/14/CE appendix V.

CONCLUDED AT PERTUIS, DATED 18/10/2013
ROGER PELLENC
CHIEF EXECUTIVE OFFICER